

**Table 1**

<u>Gene</u>	<u>Sequence ID</u>	<u>Organism</u>
PUMP1	AAD34558	<i>Aspergillus terreus</i>
PUMP2	AAD34564	<i>Aspergillus terreus</i>
AAD34561	AAD34561	<i>Aspergillus terreus</i>
AAD34562	AAD34562	<i>Aspergillus terreus</i>
abaA	g1351833	<i>Aspergillus nidulans</i>
ACE2	YLR131c	<i>Saccharomyces cerevisiae</i>
ADR1	YDR216w	<i>Saccharomyces cerevisiae</i>
AFL1	YEL007w	<i>Saccharomyces cerevisiae</i>
afIR	g1703202	<i>Aspergillus nidulans</i>
AFT1	YGL071w	<i>Saccharomyces cerevisiae</i>
amyR	g4996624	<i>Aspergillus nidulans</i>
areA	g1351972	<i>Aspergillus nidulans</i>
ASH1	YKL185w	<i>Saccharomyces cerevisiae</i>
ATR1	YML116w	<i>Saccharomyces cerevisiae</i>
BAP2	YBR068c	<i>Saccharomyces cerevisiae</i>
BCK1	YJL095w	<i>Saccharomyces cerevisiae</i>
BCY1	YIL033c	<i>Saccharomyces cerevisiae</i>
BEM2	YER155c	<i>Saccharomyces cerevisiae</i>
BGL2	YGR282c	<i>Saccharomyces cerevisiae</i>
CAT8	YMR280c	<i>Saccharomyces cerevisiae</i>
CDC24	YAL041w	<i>Saccharomyces cerevisiae</i>
CDC25	YLR310c	<i>Saccharomyces cerevisiae</i>
CDC28	YBR160w	<i>Saccharomyces cerevisiae</i>
CDC42	YLR229c	<i>Saccharomyces cerevisiae</i>
CDC55	YGL190c	<i>Saccharomyces cerevisiae</i>
CHS1	YNL192w	<i>Saccharomyces cerevisiae</i>
CHS2	YBR038w	<i>Saccharomyces cerevisiae</i>
CHS3	YBR023c	<i>Saccharomyces cerevisiae</i>
CLB2	YPR119w	<i>Saccharomyces cerevisiae</i>

creA	g168035	<i>Aspergillus nidulans</i>
CTS1	YLR286c	<i>Saccharomyces cerevisiae</i>
CUP9	YPL177c	<i>Saccharomyces cerevisiae</i>
CYR1	YJL005w	<i>Saccharomyces cerevisiae</i>
DFG16	YOR030w	<i>Saccharomyces cerevisiae</i>
DHH1	YDL160c	<i>Saccharomyces cerevisiae</i>
DPH3	see PCT publication No. WO99/***	<i>Saccharomyces cerevisiae</i>
ELM1	YKL048c	<i>Saccharomyces cerevisiae</i>
ERG6	YML008c	<i>Saccharomyces cerevisiae</i>
facB	g2262191	<i>Aspergillus nidulans</i>
FCR1	g4071315	<i>Candida albicans</i>
FKS1	YLR342w	<i>Saccharomyces cerevisiae</i>
FLO1	YAR050w	<i>Saccharomyces cerevisiae</i>
FLO10	YKR102w	<i>Saccharomyces cerevisiae</i>
FLO11	YIR019c	<i>Saccharomyces cerevisiae</i>
FLO5	YHR211w	<i>Saccharomyces cerevisiae</i>
FLO8	YER108c	<i>Saccharomyces cerevisiae</i>
FLO9	YAL063c	<i>Saccharomyces cerevisiae</i>
FUS3	YBL016w	<i>Saccharomyces cerevisiae</i>
GCN2	YDR283c	<i>Saccharomyces cerevisiae</i>
GCN4	YEL009c	<i>Saccharomyces cerevisiae</i>
GCR1	YPL075w	<i>Saccharomyces cerevisiae</i>
GCR2	YNL199c	<i>Saccharomyces cerevisiae</i>
GLN3	YER040w	<i>Saccharomyces cerevisiae</i>
GPA1	YHR005c	<i>Saccharomyces cerevisiae</i>
GPA2	YER020w	<i>Saccharomyces cerevisiae</i>
GPR1	YDL035c	<i>Saccharomyces cerevisiae</i>
GRR1	YJR090c	<i>Saccharomyces cerevisiae</i>
GSC2	YGR032w	<i>Saccharomyces cerevisiae</i>
GTS1	YGL181w	<i>Saccharomyces cerevisiae</i>

HAP1	YLR256w	<i>Saccharomyces cerevisiae</i>
HAP4	YKL109w	<i>Saccharomyces cerevisiae</i>
HIP1	YGR191w	<i>Saccharomyces cerevisiae</i>
HMS1	YOR032c	<i>Saccharomyces cerevisiae</i>
HMS2	YJR147w	<i>Saccharomyces cerevisiae</i>
HOG1	YLR113w	<i>Saccharomyces cerevisiae</i>
HSL1	YKL101w	<i>Saccharomyces cerevisiae</i>
HXK2	YGL253w	<i>Saccharomyces cerevisiae</i>
IME1	YJR094c	<i>Saccharomyces cerevisiae</i>
IME4	YGL192w	<i>Saccharomyces cerevisiae</i>
INO2	YDR123c	<i>Saccharomyces cerevisiae</i>
INV11	YNL294c	<i>Saccharomyces cerevisiae</i>
INV13	YJR102c	<i>Saccharomyces cerevisiae</i>
INV16	not cloned	<i>Saccharomyces cerevisiae</i>
INV5	YOR275c	<i>Saccharomyces cerevisiae</i>
INV7	YDL233w	<i>Saccharomyces cerevisiae</i>
INV9	YGL046w+YGL045w	<i>Saccharomyces cerevisiae</i>
IRA1	YBR140c	<i>Saccharomyces cerevisiae</i>
ISR1	YPR106w	<i>Saccharomyces cerevisiae</i>
KRE6	YPR159w	<i>Saccharomyces cerevisiae</i>
KSS1	YGR040w	<i>Saccharomyces cerevisiae</i>
LEU3	YLR451w	<i>Saccharomyces cerevisiae</i>
lovE	AAD34557	<i>Aspergillus terreus</i>
LYS14	YDR034c	<i>Saccharomyces cerevisiae</i>
MAC1	YMR021c	<i>Saccharomyces cerevisiae</i>
MCM1	YMR043w	<i>Saccharomyces cerevisiae</i>
MDR1	g3378546	<i>Candida albicans</i>
MEP1	YGR121c	<i>Saccharomyces cerevisiae</i>
MEP2	YNL142w	<i>Saccharomyces cerevisiae</i>
MET28	YIR017c	<i>Saccharomyces cerevisiae</i>
MET31	YPL038w	<i>Saccharomyces cerevisiae</i>

MET4	YNL103w	<i>Saccharomyces cerevisiae</i>
metR	g5051964	<i>Aspergillus nidulans</i>
MGA1	YGR249w	<i>Saccharomyces cerevisiae</i>
MID2	YLR332w	<i>Saccharomyces cerevisiae</i>
MIG1	YGL035c	<i>Saccharomyces cerevisiae</i>
MIG2	YGL209w	<i>Saccharomyces cerevisiae</i>
MKK1	YOR231w	<i>Saccharomyces cerevisiae</i>
MKK2	YPL140c	<i>Saccharomyces cerevisiae</i>
MSN1	YOL116w	<i>Saccharomyces cerevisiae</i>
MSN2	YMR037c	<i>Saccharomyces cerevisiae</i>
MSN4	YKL062w	<i>Saccharomyces cerevisiae</i>
MSN5	YDR335w	<i>Saccharomyces cerevisiae</i>
MSS11	YMR164c	<i>Saccharomyces cerevisiae</i>
MTH1	YDR277c	<i>Saccharomyces cerevisiae</i>
NPR1	YNL183c	<i>Saccharomyces cerevisiae</i>
nreB	g3004634	<i>Penicillium chrysogenum</i>
NRG1	YDR043c	<i>Saccharomyces cerevisiae</i>
OAF1	YAL051w	<i>Saccharomyces cerevisiae</i>
pacC	g3641619	<i>Penicillium chrysogenum</i>
PBS2	YJL128c	<i>Saccharomyces cerevisiae</i>
PDE2	YOR360c	<i>Saccharomyces cerevisiae</i>
PDR1	YGL013c	<i>Saccharomyces cerevisiae</i>
PDR10	YOR328w	<i>Saccharomyces cerevisiae</i>
PDR13	YHR064c	<i>Saccharomyces cerevisiae</i>
PDR3	YBL005w	<i>Saccharomyces cerevisiae</i>
PDR5	YOR153w	<i>Saccharomyces cerevisiae</i>
PET9	YBL030c	<i>Saccharomyces cerevisiae</i>
PHD1	YKL043w	<i>Saccharomyces cerevisiae</i>
PHO2	YDL106c	<i>Saccharomyces cerevisiae</i>
PHO23	YNL097c	<i>Saccharomyces cerevisiae</i>
PHO4	YFR034c	<i>Saccharomyces cerevisiae</i>

PHO85	YPL031c	<i>Saccharomyces cerevisiae</i>
pkaR	g3170248	<i>Aspergillus nidulans</i>
PKC1	YBL105c	<i>Saccharomyces cerevisiae</i>
PPH21	YDL134c	<i>Saccharomyces cerevisiae</i>
PPH22	YDL188c	<i>Saccharomyces cerevisiae</i>
PPR1	YLR014c	<i>Saccharomyces cerevisiae</i>
PPZ1	YML016c	<i>Saccharomyces cerevisiae</i>
PPZ2	YDR436w	<i>Saccharomyces cerevisiae</i>
PTC1	YDL006w	<i>Saccharomyces cerevisiae</i>
PTP2	YOR208w	<i>Saccharomyces cerevisiae</i>
PTP3	YER075c	<i>Saccharomyces cerevisiae</i>
PUT3	YKL015w	<i>Saccharomyces cerevisiae</i>
RAS1	YOR101w	<i>Saccharomyces cerevisiae</i>
RAS2	YNL098c	<i>Saccharomyces cerevisiae</i>
RGS2	YOR107w	<i>Saccharomyces cerevisiae</i>
RHO1	YPR165w	<i>Saccharomyces cerevisiae</i>
RIM101	YHL027w	<i>Saccharomyces cerevisiae</i>
RIM13	YMR154c	<i>Saccharomyces cerevisiae</i>
RIM15	YFL033c	<i>Saccharomyces cerevisiae</i>
RIM9	YMR063w	<i>Saccharomyces cerevisiae</i>
RLM1	YPL089c	<i>Saccharomyces cerevisiae</i>
ROM1	YGR070w	<i>Saccharomyces cerevisiae</i>
ROM2	YLR371w	<i>Saccharomyces cerevisiae</i>
ROX1	YPR065w	<i>Saccharomyces cerevisiae</i>
RRE1	YGL096w	<i>Saccharomyces cerevisiae</i>
SCH9	YHR205w	<i>Saccharomyces cerevisiae</i>
sconB	g1041197	<i>Aspergillus nidulans</i>
SFL1	YOR140w	<i>Saccharomyces cerevisiae</i>
SHO1	YER118c	<i>Saccharomyces cerevisiae</i>
SHR3	YDL212w	<i>Saccharomyces cerevisiae</i>
SIN3	YOL004w	<i>Saccharomyces cerevisiae</i>

SIP4	YJL089w	<i>Saccharomyces cerevisiae</i>
SKN1	YGR143w	<i>Saccharomyces cerevisiae</i>
SKN7	YHR206w	<i>Saccharomyces cerevisiae</i>
SLG1	YOR008c	<i>Saccharomyces cerevisiae</i>
SLN1	YIL147c	<i>Saccharomyces cerevisiae</i>
SLT2	YHR030c	<i>Saccharomyces cerevisiae</i>
SMP1	YBR182c	<i>Saccharomyces cerevisiae</i>
SNF1	YDR477w	<i>Saccharomyces cerevisiae</i>
SNF2	YOR290c	<i>Saccharomyces cerevisiae</i>
SNF7	YLR025w	<i>Saccharomyces cerevisiae</i>
SNF8	YPL002c	<i>Saccharomyces cerevisiae</i>
SNQ2	YDR011w	<i>Saccharomyces cerevisiae</i>
SOK2	YMR016c	<i>Saccharomyces cerevisiae</i>
SRB10	YPL042c	<i>Saccharomyces cerevisiae</i>
SRB11	YNL025c	<i>Saccharomyces cerevisiae</i>
SRB8	YCR081w	<i>Saccharomyces cerevisiae</i>
SRB9	YDR443c	<i>Saccharomyces cerevisiae</i>
sreA	g4585213	<i>Aspergillus nidulans</i>
sreP	g1517916	<i>Penicillium chrysogenum</i>
SRV2	YNL138w	<i>Saccharomyces cerevisiae</i>
SSD1	YDR293c	<i>Saccharomyces cerevisiae</i>
SSK1	YLR006c	<i>Saccharomyces cerevisiae</i>
SSK2	YNR031c	<i>Saccharomyces cerevisiae</i>
SSK22	YCR073c	<i>Saccharomyces cerevisiae</i>
SSN6	YBR112c	<i>Saccharomyces cerevisiae</i>
SST2	YLR452c	<i>Saccharomyces cerevisiae</i>
STE11	YLR362w	<i>Saccharomyces cerevisiae</i>
STE12	YHR084w	<i>Saccharomyces cerevisiae</i>
STE20	YHL007c	<i>Saccharomyces cerevisiae</i>
STE50	YCL032w	<i>Saccharomyces cerevisiae</i>
STE7	YDL159w	<i>Saccharomyces cerevisiae</i>

STP22	YCL008c	<i>Saccharomyces cerevisiae</i>
STT3	YGL022w	<i>Saccharomyces cerevisiae</i>
STT4	YLR305c	<i>Saccharomyces cerevisiae</i>
SWI4	YER111c	<i>Saccharomyces cerevisiae</i>
SWI6	YLR182w	<i>Saccharomyces cerevisiae</i>
tamA	g4027860	<i>Aspergillus nidulans</i>
TEC1	YBR083w	<i>Saccharomyces cerevisiae</i>
TPK1	YJL164c	<i>Saccharomyces cerevisiae</i>
TPK2	YPL203w	<i>Saccharomyces cerevisiae</i>
TPK3	YKL166c	<i>Saccharomyces cerevisiae</i>
TRI12	g4225855	<i>Fusarium sporotrichioides</i>
TUP1	YCR084c	<i>Saccharomyces cerevisiae</i>
UaY	g695414	<i>Aspergillus nidulans</i>
UGA3	YDL170w	<i>Saccharomyces cerevisiae</i>
URE2	YNL229c	<i>Saccharomyces cerevisiae</i>
VPS28	YPL065w	<i>Saccharomyces cerevisiae</i>
VPS36	YLR417w	<i>Saccharomyces cerevisiae</i>
VPS45	YGL095c	<i>Saccharomyces cerevisiae</i>
WHI3	YNL197c	<i>Saccharomyces cerevisiae</i>
WSC2	YNL283c	<i>Saccharomyces cerevisiae</i>
WSC3	YOL105c	<i>Saccharomyces cerevisiae</i>
WSC4	YHL028w	<i>Saccharomyces cerevisiae</i>
YAP1	YML007w	<i>Saccharomyces cerevisiae</i>
YMR077c	YMR077c	<i>Saccharomyces cerevisiae</i>
YNL255c	YNL255c	<i>Saccharomyces cerevisiae</i>
YPD1	YDL235c	<i>Saccharomyces cerevisiae</i>
YPR1	YDR368w	<i>Saccharomyces cerevisiae</i>
ZAP1	YJL056c	<i>Saccharomyces cerevisiae</i>